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(54) Title: INTERNAL MOLD RELEASE FOR LOW DENSITY REACTION INJECTION MOLDED POLYURETHANE FOAM

(57) Abstract

A method for preparing a molded polyurethane foam article using an internal mold release composition is provided. More specifically, a method using an IMR agent and an IMR-enhancer compound to prepare a molded polyurethane foam article is provided. The method comprises (a) forming a polyurethane-forming mixture by mixing (i) a fatty acid condensation product, (ii) an IMR-enhancer compound, (iii) an isocyanate, (iv) a polyol, (v) a catalyst, and (vi) a blowing agent; (b) filling a mold with the polyurethane-forming mixture; (c) forming a molded foam article; and (d) removing the molded foam article from the mold. The IMR-enhancer compound is any liquid petroleum product within the viscosity range of products called oils.